

[illegible]

EF099158007US

FIGURE 3A

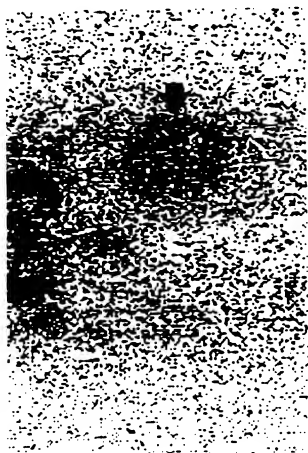
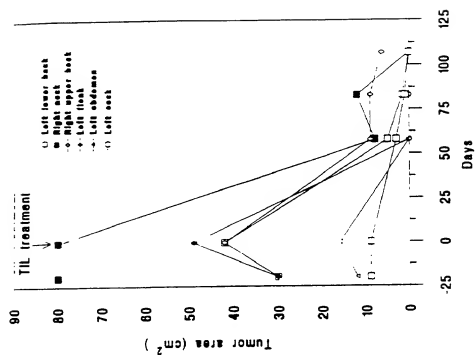


FIGURE 3B



GTCGACGGCC ATTACCAATC GCGACCGGGA AGAACACA <u>AT</u>	40
GGATCTGGTG CTA AAAA GAT GCCTTCTTCA TTTGGCTGTG	80
ATAGGTGCTT TGCTGGCTGT GGGGGCTACA AAAGTACCCA	120
GAAACCAGGA CTGGCTTGGT GTCTCAAGGC AACTCAGAAC	160
CAAAGCCTGG AACAGGCAGC TGTATCCAGA GTGGACAGAA	200
GCCCAGAGAC TTGACTGCTG GAGAGGTGGT CAAGTGTCCC	240
TCAAGGTGAG TAATGATGGG CCTACACTGA TTGGTGCAAA	280
TGCCTCCTTC TCTATGCGCT TGA ACT TCCC TGGAAGCCAA	320
AAGGTATTGC CAGATGGGCA GGTATCTGAG GTCAACAATA	360
CCATCATCAA TGGGAGCCAG GTGTGGGGAG GACAGCCAGT	400
GTATCCCCAG GAAACTGACG ATGCGCTGCAT CTTCCTGAT	440
GGTGGACCTT GCCCATCTGG CTCTTGGTCT CAGAAGAGAA	480
GCTTTGTTTA TGTCTGGAAG ACCTGGGGCC AACTCTGGCA	520
ATTCTAGGG GGGCCAGTGT CTGGGCTGAG CATTGGGACA	560
GGCAGGGCAA TGCTGGGCAC ACACACCATG GAAGTGA CT G	600
TCTACCATCG CCGGGGATCC CGGAGCTATG TGCCTCTGCG	640
TCATTCCAGC TCAGCCTTCA CCATTACTGA CCAGGTGCGCT	680
TTCTCCGTGA GCGTGTCCCA GTTGCGGGCC TTGGATGGAG	720
GGAACAAGCA CTTCTGAGA AATCAGCCTC TGACCTTTGC	760
CCTCCAGCTC CATGACCCCA GTGGCTATCT GGCTGAAGCT	800
GACCTCTCCT ACACCTGGGA CTTTGAGAGC AGTAGTGAA	840
CCCTGATCTC TCGGGCACTT GTGGTCACTC ATACTTACCT	880
GGAGCCTGGC CCAGTCACTG CCCAGGTGGT CCTGCAGGCT	920
GCCATTCTCT TCACCTCCTG TGGCTCCTCC CCAGTTCCAG	960
GCACCACAGA TGGGCACAGG CCAACTGCAG AGGCCCTTAA	1000
CACCACAGCT GGCCAAGTGC CTA CT TACAGA AGTTGTGGGT	1040
ACTACACCTG GTCAGGCGCC AACTGCAGAG CCCTCTGGAA	1080
CCACATCTGT GCAGGTGCCA ACCACTGAAG TCATAAGCAC	1120

FIGURE 4

TGCACCTGTG CAGATGCCAA CTGCAGAGAG CACAGGTATG	1160
ACACCTGAGA AGGTGCCAGT TTCAGAGGTC ATGGGTACCA	1200
CACTGGCAGA GATGTCAACT CCAGAGGCTA CAGGTATGAC	1240
ACCTGCAGAG GTATCAATTG TGGTGCTTTC TGGAAACCACA	1280
GCTGCACAGG TAACAACCTAC AGAGTGGGTG GAGACCACAG	1320
CTAGAGAGCT ACCTATCCCT GAGCCTGAAG GTCCAGATGC	1360
CAGCTCAATC ATGTCTACGG AAAGTATTAC AGGTTCCCTG	1400
GGCCCCCTGC TGGATGGTAC AGCCACCTTA AGGCTGGTGA	1440
AGAGACAAGT CCCCTGGAT TGTGTTCTGT ATCGATATGG	1480
TTCCTTTTCC GTCACCTGG ACATTGTCCA GGGTATTGAA	1520
AGTGCCGAGA TCCTGCAGGC TGTGCCGTCC GGTGAGGGGG	1560
ATGCATTTGA GCTGACTGTG TCCTGCCAAG GCGGGCTGCC	1600
CAAGGAAGCC TGCATGGAGA TCTCATCGCC AGGGTGCCAG	1640
CCCCCTGCCC AGCGGTGTG CCAGCCTGTG CTACCCAGCC	1680
CAGCCTGCCA GCTGGTTCTG CACCAGATAC TGAAGGGTGG	1720
CTCGGGGACA TACTGCCTCA ATGTGTCTCT GGCTGATACC	1760
AACAGCCTGG CAGTGGTCAG CACCCAGCTT ATCATGCCTG	1800
GTCAAGAAGC AGGCCTTGGG CAGGTTCCGC TGATCGTGGG	1840
CATCTTGCTG GTGTTGATGG CTGTGGTCCT TGCATCTCTG	1880
ATATATAGGC GCAGACTTAT GAAGCAAGAC TTCTCCGTAC	1920
CCCAGTTGCC ACATAGCAGC AGTCACTGGC TGCGTCTACC	1960
CCGCATCTTC TGCTCTTGTC CCATTGGTGA GAACAGCCCC	2000
CTCCTCAGTG GGCAGCAGGT CTGAGTACTC TCATATGATG	2040
CTGTGATTTT CCTGGAGTTG ACAGAAACAC CTATATTTC	2080
CCCAGTCTTC CCTGGGAGAC TACTATTAAC TGAAATAAAT	2120
ACTCAGAGCC TGAACAAAAA TAAAAAATAA AAAAAAATAA	2160
AAAAAATAA AA	2172

FIGURE 4 (continued)

FIGURE 5A

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1 MDLVLKRCLL HLAIVIGALLA VGATKVPRNQ DWLGVSQRQLR TKAWNRLQYP
51 EWTEAQRLLDC WRGGQVSLKV SNDGPTLIGA NASFSIALNF PGSQKVLDPG
101 QVIWVNNITII NGSQVWGGQP VYPQETDDAC IFPDGGPCPS GSWSQKRSFV
151 YVWKIWNQYW QFLGGPVSGSL SIGTGRAMLG THIMEVTVYH RRGSRSYVPL
201 AHSSSAFTIT DQVPFSVSVS QLRALDGGNK HFLRNQPLTF ALQLHDPGSY
251 LAEADLSYTW DFGDSSGTLI SRALVVTHTY LEFGPVTAQV VLQAAIPLTS
301 CGSSPVPGTT DGHRTAEAP NTTAGQVPTT EVVGTTPGQA PTAEPSTGTS
351 VQVPTTEVIS TAPVQMPTAE STGMTPEKVP VSEVMGTTLA EMSTPEATGM
401 TPAEVSIVVL SGTAAQVTT TEWVETTARE LPIPEPEGPD ASSIMTESI
451 TGSIGPLLDG TATLRLVKRQ VPLDCVLYRY GSFVSTLDIV QGIESAEILQ
501 AVPSGEGDAF ELTVSCQGL FKEACMEISS FGCQPPAQL CQFVLFPSPAC
551 QLVLHQILKG GSGTYCLNVS LADTNSLAVV STQLIMPGQE AGLQVPLIV
601 GILLVLMVV LASLIYRRRL MKQDFSVPQL PHSSSHWLRL PRIFCSCPIG
651 ENSPLLSGQQ V

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FIGURE 5B

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Pme117 M----V----Q----F----VPGILLT----LLSGQQV
ME20 M----V----Q----L-----
gp100 M----V----Q----L-----
cDNA25FL M----F----Q----L-----
cDNA25TR Q-----L-----PPOWAAGLSTLI
1 162 236 274 588 649

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Melanoma

Probe

501 mel
526 mel
624 mel
Malmes 3M
952 mel
697 mel
C32
RPMI 7951
WM 115
HS 695T
A375
397 mel
888 mel
537 mel
586 mel

cDNA25

β -actin

Melanocyte

501 mel
NHEM 493
NHEM 529
NHEM 530
FM 902
FM 906
HA 002

cDNA25

β -actin

Normal Tissue

501 mel
Adrenal Gland
Brain
Kidney
Fetal Liver
Liver
Lung
Retina
Spleen
Testis
Thymus

cDNA25

β -actin

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